Figure 1-5. Conceptual model diagram illustrating exposure pathways and potential effects for all categories of COPCs. **Sources of Contaminants** COPCs **Environmental Fate** SURFACE WATER SEDIMENT **BIOTA** (Biota ingestion) **MICROLAYER** (Sediment contact, (Water contact) (Water contact, inhalation) sediment ingestion) Carnivorus-Piscivorus Piscivorus Carnivorus Microbial Wading Birds Reptiles Birds Mammals Fish Community Receptors Benthic Insectivorus Sediment-Omnivorous probing Birds Amphibians Birds Invertebrates Mammals **₩** Aquatic Benthic Aquatic Pelagic Plants Fish Invertebrates Fish **Risk Hypotheses** Decreased Activity

Decreased Survival, Growth and/or Reproduction